

GILA RIVER BASIN

09456400 GOLD GULCH NEAR BOWIE, AZ

LOCATION.--Lat 32°20'52", long 109°36'10", in SW¹/₄NW¹/₄ sec.33, T.12 S., R.27 E., Cochise County, Hydrologic Unit 15040006, 100 ft upstream from State Highway 86, 7 mi west of Bowie.

DRAINAGE AREA.--15.0 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1963	08-23-63	420		1970	07-20-70	150	ES
1964	08-18-64	1,180		1971	08-18-71	2,550	
1965	08-29-65	1,770		1972	00-00-72	90	LT
1966	08-07-66	450	ES	1973	10-00-72	400	
1967	07-07-67	640		1974	08-24-74	147	
1968	12-20-67	1,740		1975	07-22-75	630	
1969	09-11-69	520		1976	00-00-76	225	

Magnitude and probability of instantaneous peak flow based on period of record 1963-76

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2	5	10	25	50†	100†
50%	20%	10%	4%	2%	1%
527	1,180	1,790	2,760	3,630	4,640
Weighted skew	(logs) =	-0.11			
Mean	(logs) =	2.71			
Standard dev.	(logs) =	0.42			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
201	9.6	5,170	0.0	2.0	10.9	1.8	4.4

